UNITED STATES COOK CREEK RESERVOIR QUADRANGLE DEPARTMENT OF THE INTERIOR This report has not been edited for conformity with U.S. Geological Survey editorial standards or MONTANA GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) 106°15′ 45°45′ 106°07′30″ 45°45′ R 44 E. R. 45 E. 12'30" 13 18 17 13 15 14 24 23 22 21 OVERBURDEN ISOPACH-Showing thickness of over-24 19 20 burden, in feet, from the surface to the top of the coal bed. Isopach interval 200 feet (61 m) with an intermediate 500-foot isopach. BOUNDARY OF COAL 5 FEET OR MORE THICK-Drawn along the outcrop of coal bed and/or the inferred contact between burned and unburned coal and/or the 5-foot coal isopach. Arrows point toward area of coal 5 feet or more thick. MINING-RATIO CONTOUR-Number indicates cubic yards of overburden per short ton of recoverable coal by surface-mining methods. Contours shown only in areas 26 25 suitable for surface mining within the stripping limits. 27 30 28 25 29 To convert feet to meters, multiply feet by 0.3048. To convert yds<sup>3</sup>/ton to m<sup>3</sup>/metric ton, multiply yds<sup>3</sup>/ton by 42'30 42'30" 31 33 34 35 T.15. T. 2 S. 45°37′30′ 106°07′30″ (WILLOW CROSSING) R. 44 E. R. 45 E. 12'30" 106°15′ Compiled in 1977 SCALE 1:24 000 Base map from U.S. Geological Survey, 1966 1 KILOMETER MONTANA UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

COAL RESOURCE OCCURRENCE MAP OF THE COOK CREEK RESERVOIR QUADRANGLE, POWDER RIVER AND ROSEBUD COUNTIES, MONTANA BY COLORADO SCHOOL OF MINES RESEARCH INSTITUTE 1979

PLATE 8

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stratigraphic nomenclature.

EXPLANATION

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OVERBURDEN ISOPACH AND MINING-RATIO MAP OF THE LOWER COOK SPLIT OF THE COOK COAL BED